

B.E.A. K-Band Transceiver 21.0161 (BEA-T1)

User Guide

FCC ID : G9B-210161
IC ID : 4680A-210161

BEA Inc. (Bureau d'Electronique Appliquée)
100 Enterprise Drive, RIDC Park West
Pittsburgh, PA 15275, USA
Phone: (412) 249 4100

Functional description of BEA-T1 Transceiver.

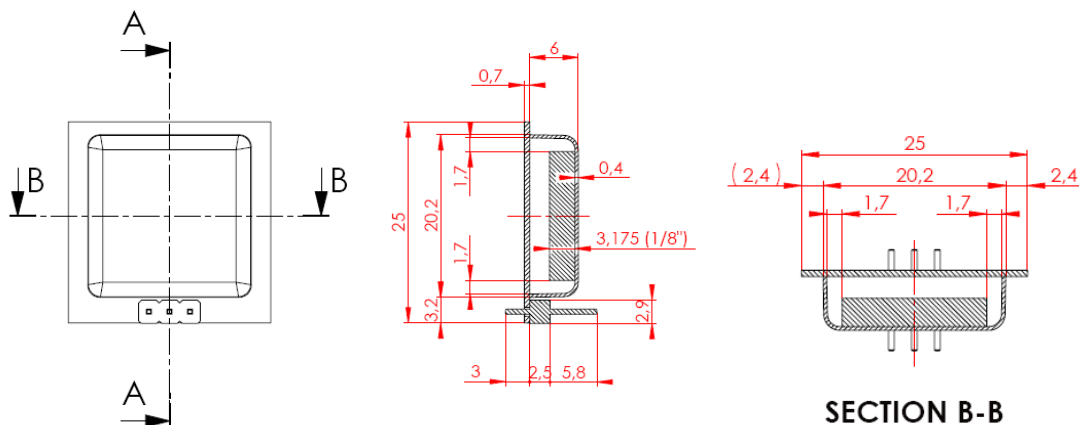
The DRO module P/N, 21.0161 consists of a 24.150GHz Microwave Transceiver and is used in Doppler movement detectors.

Electrical specifications.

Output frequency :	24.125 GHz $\pm$ 50 MHz
Output power :	< 20 dBm
Type of modulation :	Continuous wave or pulsed
ASK modulation :	f $\approx$ 10kHz, $\sim$ 10% dutycycle
Operating voltage	5 V dc $\pm$ 5%
Operating current	<35mA typ.
Frequency Drift vs Temperature Change :	< 1 MHz / $^{\circ}$ C
Operating temperature range :	-30 $^{\circ}$ C to +70 $^{\circ}$ C

Pin arrangement. (Single row pin header)

Pin	I/O	Description
1	Supply voltage	Vcc
2	Output signal	IF
3	Ground	GND



FCC approval.

- *This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada.*

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and*
- (2) this device must accept any interference received, including interference that may cause undesired operation.*

- *Changes or modifications made to this equipment not expressly approved by BEA Inc. may void the FCC authorization to operate this equipment.*
- *The use of the BEA-T1 transceiver is authorized into a final product according to the conditions listed in this document.*
In that case, a label with the words 'Contains FCC ID:G9B-210161 and IC:4680A-210161' shall be applied and visible from the outside.